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(54) **Improved medical grade tubing and methods for coupling same**

(57) A medical grade tubing that includes a layer of ultra low density polyethylene that has been let down, or drawn down, in diameter approximately 10% to about

50% in an extrusion process and an inner layer of an RF responsive material, the tubing allowing for the selective connection of the tubing to another tubing using a sterile welding device.

FIG. 1B

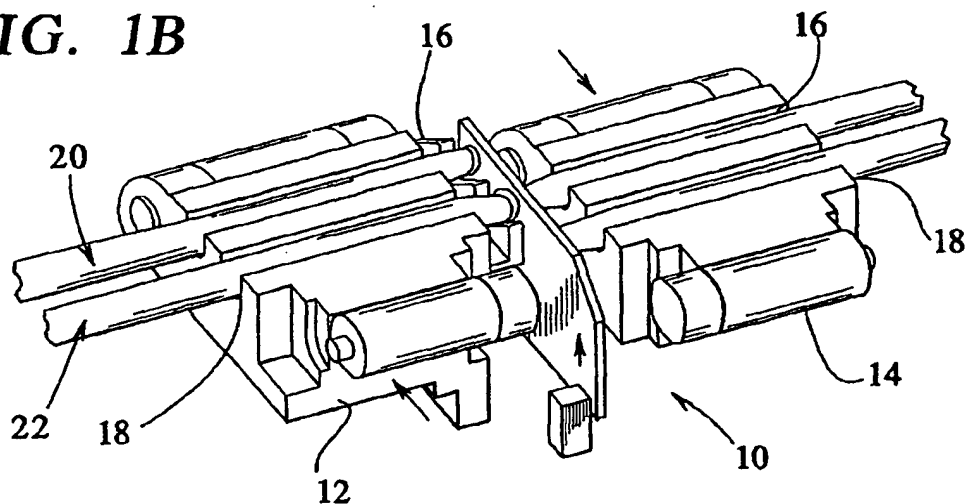
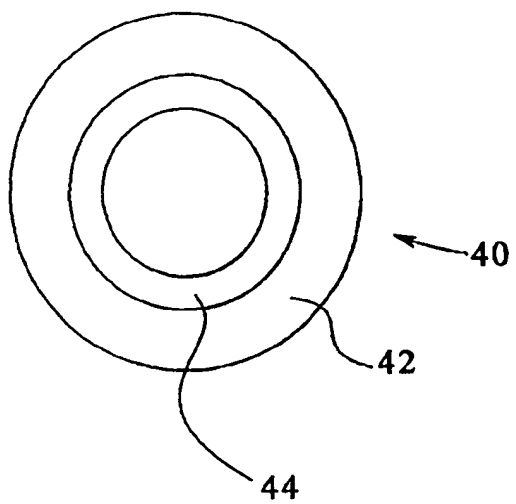


FIG. 2





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EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 6)
Y	<p>W0 97 42020 A (BAXTER INT) 13 November 1997 (1997-11-13)</p> <p>* page 4, line 3 - line 8 *</p> <p>* page 4, line 28 - line 30 *</p> <p>* page 5, line 8 - line 11 *</p> <p>* page 6, line 10 - line 11 *</p>	1,3-10, 12-14, 16,17	<p>B29C65/20 A61M39/10 B32B1/08</p>
Y	<p>W0 98 00286 A (BAXTER INT) 8 January 1998 (1998-01-08)</p> <p>* page 8, line 13 - line 16 *</p> <p>* page 9, line 6 - line 32 *</p> <p>* page 16, line 1 - line 3; examples 1-3 *</p>	1,3-10, 12-14, 16,17	<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 6)</p> <p>B29C B32B</p>
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14 February 2000	Examiner Attalla, G
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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